
Medication Reference: Lidocaine HCL (Xylocaine)

Class

Antiarrhythmic

Actions

An agent that increases the fibrillation threshold thereby reducing the development of ectopy and ventricular fibrillation.

Indications

- Frequent PVC's (> 6 per minute).
- Multifocal PVC's and couplets.
- Sustained or runs of ventricular tachycardia.
- Ventricular fibrillation.

Protocol Reference

B3, B4, B7, C4, D1



Contraindications

- 2nd degree Mobitz II.
- 3rd degree heart blocks.
- Bradycardia.

Precautions

- Reduce the dosage in patients with decreased cardiac output.
- Liver dysfunction.
- The elderly (over the age of 70).

Adverse Reactions

- Muscle twitching.
- Slurred speech.
- Altered mental status.
- Convulsions.
- Hypotension.
- Coma.

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Adult Dosage / Route

With Pulses

- 1.0 - 1.5 mg/kg IV push, followed by 0.5 - 0.75 mg/kg every 8 - 10 minutes as needed, up to 3.0 mg/kg.
- ET 2 - 2.5 times the dose.

Cardiac Arrest

- 1.5 mg/kg IV push, followed by an additional 1.5 mg/kg IV push 3 - 5 minutes to a maximum of 3.0 mg/kg.
- ET 2 - 2.5 times the dose.



Pediatric Dosage / Route

With Pulses

- 1.0 mg/kg IVP/IO, followed by 0.5 mg/kg IVP/IO every 8 - 10 minutes as needed, up to 3.0 mg/kg.
- ET 2 - 2.5 times the dose.

Cardiac Arrest

- 1.0 mg/kg IVP/IO, followed by additional 1.0 mg/kg IVP/IO boluses in 3 - 5 minutes to a maximum of 3.0 mg/kg.
- ET 2 - 2.5 times the dose.